

PART I GENERAL REQUIREMENTS: NJPDES

A. General Requirements of all NJPDES Permits

1. Requirements Incorporated by Reference

- a. The permittee shall comply with all conditions set forth in this permit and with all the applicable requirements incorporated into this permit by reference. The permittee is required to comply with the regulations, including those cited in paragraphs b. through e. following, which are in effect as of the effective date of the final permit.
- b. General Conditions
 - Penalties for Violations N.J.A.C. 7:14-8.1 et seq.
 - Incorporation by Reference N.J.A.C. 7:14A-2.3
 - Toxic Pollutants N.J.A.C. 7:14A-6.2(a)4i
 - Duty to Comply N.J.A.C. 7:14A-6.2(a)1 & 4
 - Duty to Mitigate N.J.A.C. 7:14A-6.2(a)5 & 11
 - Inspection and Entry N.J.A.C. 7:14A-2.11(e)
 - Enforcement Action N.J.A.C. 7:14A-2.9
 - Duty to Reapply N.J.A.C. 7:14A-4.2(e)3
 - Signatory Requirements for Applications and Reports N.J.A.C. 7:14A-4.9
 - Effect of Permit/Other Laws N.J.A.C. 7:14A-6.2(a)6 & 7 & 2.9(c)
 - Severability N.J.A.C. 7:14A-2.2
 - Administrative Continuation of Permits N.J.A.C. 7:14A-2.8
 - Permit Actions N.J.A.C. 7:14A-2.7(c)
 - Reopener Clause N.J.A.C. 7:14A-6.2(a)10
 - Permit Duration and Renewal N.J.A.C. 7:14A-2.7(a) & (b)
 - Consolidation of Permit Process N.J.A.C. 7:14A-15.5
 - Confidentiality N.J.A.C. 7:14A-18.2 & 2.11(g)
 - Fee Schedule N.J.A.C. 7:14A-3.1
 - Treatment Works Approval N.J.A.C. 7:14A-22 & 23
- c. Operation And Maintenance
 - Need to Halt or Reduce not a Defense N.J.A.C. 7:14A-2.9(b)
 - Proper Operation and Maintenance N.J.A.C. 7:14A-6.12
- d. Monitoring And Records
 - Monitoring N.J.A.C. 7:14A-6.5
 - Recordkeeping N.J.A.C. 7:14A-6.6
 - Signatory Requirements for Monitoring Reports N.J.A.C. 7:14A-6.9
- e. Reporting Requirements
 - Planned Changes N.J.A.C. 7:14A-6.7
 - Reporting of Monitoring Results N.J.A.C. 7:14A-6.8
 - Noncompliance Reporting
 - Hotline/Two Hour & Twenty-four Hour Reporting N.J.A.C. 7:14A-6.10 & 6.8(h)
 - Written Reporting N.J.A.C. 7:14A-6.10(c) & (d)
 - N.J.A.C. 7:14A-6.10(e) & (f) & 6.8(h)
 - Duty to Provide Information N.J.A.C. 7:14A-2.11, 6.2(a)14 & 18.1
 - Schedules of Compliance N.J.A.C. 7:14A-6.4
 - Transfer N.J.A.C. 7:14A-6.2(a)8 & 16.2

PART II

GENERAL REQUIREMENTS: DISCHARGE CATEGORIES

A. Additional Requirements Incorporated By Reference

1. Requirements for Discharges to Surface Waters

- a. In addition to conditions in Part I of this permit, the conditions in this section are applicable to activities at the permitted location and are incorporated by reference. The permittee is required to comply with the regulations which are in effect as of the effective date of the final permit.
 - i. Surface Water Quality Standards N.J.A.C. 7:9B-1

B. General Conditions

1. Scope

- a. The issuance of this permit shall not be considered as a waiver of any applicable federal, state, and local rules, regulations and ordinances.

2. Permit Renewal Requirement

- a. Permit conditions remain in effect and enforceable until and unless the permit is modified, renewed or revoked by the Department.
- b. Submit a complete permit renewal application: 180 days before expiration.

3. Notification of Non-Compliance

- a. The permittee shall notify the Department of all non-compliance when required in accordance with N.J.A.C. 7:14A-6.10 by contacting the DEP HOTLINE at 1-877-WARNDEP.
- b. The permittee shall submit a written report as required by N.J.A.C. 7:14A-6.10 within five days.

4. Notification of Changes

- a. The permittee shall give written notification to the Department of any planned physical or operational alterations or additions to the permitted facility when the alteration is expected to result in a significant change in the permittee's discharge and/or residuals use or disposal practices including the cessation of discharge in accordance with N.J.A.C. 7:14A-6.7.
- b. Prior to any change in ownership, the current permittee shall comply with the requirements of N.J.A.C. 7:14A-16.2, pertaining to the notification of change in ownership.

5. Access to Information

- a. The permittee shall allow an authorized representative of the Department, upon the presentation of credentials, to enter upon a person's premises, for purposes of inspection, and to access / copy any records that must be kept under the conditions of this permit.

6. Operator Certification

- a. Pursuant to N.J.A.C. 7:10A-1.1 et seq. every wastewater system not exempt pursuant to N.J.A.C. 7:10A-1.1(b) requires a licensed operator. The operator of a system shall meet the Department's requirements pursuant to N.J.A.C. 7:10A-1.1 and any amendments. The name of the proposed operator, where required shall be submitted to the Department at the address below, in order that his/her qualifications may be determined prior to initiating operation of the treatment works.
 - i. Notifications shall be submitted to:
NJDEP
Examination and Licensing Unit
P.O. Box 417
Trenton, New Jersey 08625
(609)777-1012
- b. The permittee shall notify the Department of any changes in licensed operator within two weeks of the change.

7. Operation Restrictions

- a. The operation of a waste treatment or disposal facility shall at no time create: (a) a discharge, except as authorized by the Department in the manner and location specified in Part III of this permit; (b) any discharge to the waters of the state or any standing or ponded condition for water or waste, except as specifically authorized by a valid NJPDES permit.

8. Residuals Management

- a. The permittee shall comply with land-based sludge management criteria and shall conform with the requirements for the management of residuals and grit and screenings under N.J.A.C. 7:14A-6.15(a), which includes:
 - i. Standards for the Use or Disposal of Residual, N.J.A.C. 7:14A-20;
 - ii. Section 405 of the Federal Act governing the disposal of sludge from treatment works treating domestic sewage;
 - iii. The Solids Waste Management Act, N.J.S.A. 13:1E-1 et seq., and the Solid Waste Management Rules, N.J.A.C. 7:26;
 - iv. The Sludge Quality Assurance Regulations, N.J.A.C. 7:14C;
 - v. The Statewide Sludge Management Plan promulgated pursuant to the Water Quality Planning Act, N.J.S.A. 58:11A-1 et seq., and the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq.; and
 - vi. The provisions concerning disposal of sewage sludge and septage in sanitary landfills set forth at N.J.S.A. 13:1E-42 and the Statewide Sludge Management Plan.
 - vii. Residual that is disposed in a municipal solid waste landfill unit shall meet the requirements in 40 CFR Part 258 and/or N.J.A.C. 7:26 concerning the quality of residual disposed in a municipal solid waste landfill unit (That is, passes the Toxicity Characteristic Leaching Procedure and does not contain "free liquids" as defined at N.J.A.C. 7:14A-1.2.)
- b. If any applicable standard for residual use or disposal is promulgated under section 405(d) of the Federal Act and Sections 4 and 6 of the State Act and that standard is more stringent than any limitation on the pollutant or practice in the permit, the Department may modify or revoke and reissue the permit to conform to the standard for residual use or disposal.
- c. The permittee shall make provisions for storage, or some other approved alternative management strategy, for anticipated downtimes at a primary residual management alternative. The permittee shall not be permitted to store residual beyond the capacity of the structural treatment and storage components of the treatment works. N.J.A.C.

7:14A-20.8(a) and N.J.A.C. 7:26 provide for the temporary storage of residuals for periods not exceeding six months, provided such storage does not cause pollutants to enter surface or ground waters of the State. The storage of residual for more than six months is not authorized under this permit. However, this prohibition does not apply to residual that remains on the land for longer than six months when the person who prepares the residual demonstrates that the land on which the residual remains is not a surface disposal site or landfill. The demonstration shall explain why residual must remain on the land for longer than six months prior to final use or disposal, discuss the approximate time periods during which the residual shall be used or disposed and provide documentation of ultimate residual management arrangements. Said demonstration shall be in writing, be kept on file by the person who prepares residual, and submitted to the Department upon request.

- d. The permittee shall comply with the appropriate adopted District Solid Waste or Sludge Management Plan (which by definition in N.J.A.C. 7:14A-1.2 includes Generator Sludge Management Plans), unless otherwise specifically exempted by the Department.
- e. The preparer must notify and provide information necessary to comply with the N.J.A.C. 7:14A-20 land application requirements to the person who applies bulk residual to the land. This shall include, but not be limited to, the applicable recordkeeping requirements and certification statements of 40 CFR 503.17 as referenced at N.J.A.C. 7:14A-20.7(j).
- f. The preparer who provides biosolids to another person who further prepares the biosolids for application to the land must provide this person with notification and information necessary to comply with the N.J.A.C. 7:14A-20 land application requirements.
- g. Any person who prepares bulk residual in New Jersey that is applied to land in a State other than New Jersey shall comply with the requirement at N.J.A.C. 7:14A-20.7(b)1.ix and/or 20.7(b)1.x, as applicable, to provide written notice to the Department and to the permitting authority for the State in which the bulk residual is proposed to be applied.

PART III

LIMITS AND MONITORING REQUIREMENTS

A. AB4B TABLE A

Location Description

This table is utilized for remediation discharges into eligible waters classified as FW2-NT, FW2-TM, FW2-TP, SE or SC where strictly petroleum related constituents are present.

Discharge Categories

General Permit GW Petro Prod Cleanup

Surface Water DMR Reporting Requirements:

Submit a Monthly DMR: within twenty-five days after the end of every month beginning from the effective date of the permit (EDP).

Table III - A - 1: Surface Water DMR Limits and Monitoring Requirements

Parameter	Sample Point	Limit	Statistical Base	Sampling Frequency	Sample Type	Monitoring Period	Phase	Quantification Limit
Flow, In Conduit or Thru Treatment Plant	Effluent Gross Value	REPORT GPD	Monthly Average	1/Month	Metered	January thru December	Final	
Flow, In Conduit or Thru Treatment Plant	Effluent Gross Value	REPORT GPD	Daily Maximum	1/Month	Metered	January thru December	Final	
PH	Effluent Gross Value	6.0 SU	Monthly Minimum	1/Quarter	Grab	January thru December	Final	
PH	Effluent Gross Value	9.0 SU	Monthly Maximum	1/Quarter	Grab	January thru December	Final	
Solids, Total Suspended	Effluent Gross Value	REPORT MG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Solids, Total Suspended	Effluent Gross Value	40 MG/L	Daily Maximum	1/Month	Grab	January thru December	Final	
Petroleum Hydrocarbons	Effluent Gross Value	10 MG/L	Monthly Average	1/Quarter	Grab	January thru December	Final	
Petroleum Hydrocarbons	Effluent Gross Value	15 MG/L	Daily Maximum	1/Quarter	Grab	January thru December	Final	
Carbon, Tot Organic (TOC)	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Carbon, Tot Organic (TOC)	Effluent Gross Value	20 UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	
Lead, Total Recoverable	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	10 Rec Quant Level
Lead, Total Recoverable	Effluent Gross Value	10 UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	10 Rec Quant Level
Naphthalene	Effluent Gross Value	22 UG/L	Monthly Average	1/Month	Grab	January thru December	Final	8 Rec Quant Level

Parameter	Sample Point	Limit	Statistical Base	Sampling Frequency	Sample Type	Monitoring Period	Phase	Quantification Limit
Naphthalene	Effluent Gross Value	59 UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	8 Rec Quant Level
Methyl tert-butyl Ether	Raw Sew/influent	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Methyl tert-butyl Ether	Raw Sew/influent	REPORT UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	
Methyl tert-butyl Ether	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Methyl tert-butyl Ether	Effluent Gross Value	REPORT UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	
Methyl tert-butyl Ether	Percent Removal	85 PERCENT	Monthly Av Minimum	1/Month	Grab	January thru December	Final	
Benzene	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	7 Rec Quant Level
Benzene	Effluent Gross Value	7 UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	7 Rec Quant Level
Tertiary Butyl Alcohol (TBA)	Raw Sew/influent	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Tertiary Butyl Alcohol (TBA)	Raw Sew/influent	REPORT UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	
Tertiary Butyl Alcohol (TBA)	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Tertiary Butyl Alcohol (TBA)	Effluent Gross Value	REPORT UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	

B. BB4B TABLE B

Location Description

This table is utilized for remediation discharges into specific waterbodies as specified in Part III-Attachment B where strictly petroleum related constituents are present.

Discharge Categories

General Permit GW Petro Prod Cleanup

Surface Water DMR Reporting Requirements:

Submit a Monthly DMR: within twenty-five days after the end of every month beginning from the effective date of the permit (EDP).

Table III - B - 1: Surface Water DMR Limits and Monitoring Requirements

Parameter	Sample Point	Limit	Statistical Base	Sampling Frequency	Sample Type	Monitoring Period	Phase	Quantification Limit
Flow, In Conduit or Thru Treatment Plant	Effluent Gross Value	REPORT GPD	Monthly Average	1/Month	Metered	January thru December	Final	
Flow, In Conduit or Thru Treatment Plant	Effluent Gross Value	REPORT GPD	Daily Maximum	1/Month	Metered	January thru December	Final	
pH	Effluent Gross Value	6.0 SU	Monthly Minimum	1/Quarter	Grab	January thru December	Final	
pH	Effluent Gross Value	9.0 SU	Monthly Maximum	1/Quarter	Grab	January thru December	Final	
Solids, Total Suspended	Effluent Gross Value	REPORT MG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Solids, Total Suspended	Effluent Gross Value	40 MG/L	Daily Maximum	1/Month	Grab	January thru December	Final	
Petroleum Hydrocarbons	Effluent Gross Value	10 MG/L	Monthly Average	1/Quarter	Grab	January thru December	Final	
Petroleum Hydrocarbons	Effluent Gross Value	15 MG/L	Daily Maximum	1/Quarter	Grab	January thru December	Final	
Carbon, Tot Organic (TOC)	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Carbon, Tot Organic (TOC)	Effluent Gross Value	20 UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	
Lead, Total Recoverable	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	10 Rec Quant Level
Lead, Total Recoverable	Effluent Gross Value	10 UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	10 Rec Quant Level
Naphthalene	Effluent Gross Value	22 UG/L	Monthly Average	1/Month	Grab	January thru December	Final	8 Rec Quant Level

Parameter	Sample Point	Limit	Statistical Base	Sampling Frequency	Sample Type	Monitoring Period	Phase	Quantification Limit
Naphthalene	Effluent Gross Value	59 UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	8 Rec Quant Level
Methyl tert-butyl Ether	Raw Sew/influent	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Methyl tert-butyl Ether	Raw Sew/influent	REPORT UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	
Methyl tert-butyl Ether	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Methyl tert-butyl Ether	Effluent Gross Value	70 UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	
Methyl tert-butyl Ether	Percent Removal	REPORT PERCENT	Monthly Av Minimum	1/Month	Grab	January thru December	Final	
Benzene	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	7 Rec Quant Level
Benzene	Effluent Gross Value	7 UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	7 Rec Quant Level
Tertiary Butyl Alcohol (TBA)	Raw Sew/influent	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Tertiary Butyl Alcohol (TBA)	Raw Sew/influent	REPORT UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	
Tertiary Butyl Alcohol (TBA)	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Tertiary Butyl Alcohol (TBA)	Effluent Gross Value	REPORT UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	

C. CB4B TABLE C

Location Description

This table is utilized for remediation discharges into C1 (Category 1) waters where strictly petroleum related constituents are present.

Discharge Categories

General Permit GW Petro Prod Cleanup

Surface Water DMR Reporting Requirements:

Submit a Monthly DMR: within twenty-five days after the end of every month beginning from the effective date of the permit (EDP).

Table III - C - 1: Surface Water DMR Limits and Monitoring Requirements

Parameter	Sample Point	Limit	Statistical Base	Sampling Frequency	Sample Type	Monitoring Period	Phase	Quantification Limit
Flow, In Conduit or Thru Treatment Plant	Effluent Gross Value	REPORT GPD	Monthly Average	1/Month	Metered	January thru December	Final	
Flow, In Conduit or Thru Treatment Plant	Effluent Gross Value	REPORT GPD	Daily Maximum	1/Month	Metered	January thru December	Final	
pH	Effluent Gross Value	6.5 SU	Monthly Minimum	1/Quarter	Grab	January thru December	Final	
pH	Effluent Gross Value	8.5 SU	Monthly Maximum	1/Quarter	Grab	January thru December	Final	
Solids, Total Suspended	Effluent Gross Value	REPORT MG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Solids, Total Suspended	Effluent Gross Value	25 MG/L	Daily Maximum	1/Month	Grab	January thru December	Final	
Petroleum Hydrocarbons	Effluent Gross Value	10 MG/L	Monthly Average	1/Quarter	Grab	January thru December	Final	
Petroleum Hydrocarbons	Effluent Gross Value	15 MG/L	Daily Maximum	1/Quarter	Grab	January thru December	Final	
Carbon, Tot Organic (TOC)	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Carbon, Tot Organic (TOC)	Effluent Gross Value	20 UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	
Lead, Total Recoverable	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	10 Rec Quant Level
Lead, Total Recoverable	Effluent Gross Value	10 UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	10 Rec Quant Level
Naphthalene	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	8 Rec Quant Level

Parameter	Sample Point	Limit	Statistical Base	Sampling Frequency	Sample Type	Monitoring Period	Phase	Quantification Limit
Naphthalene	Effluent Gross Value	8.0 UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	8 Rec Quant Level
Methyl tert-butyl Ether	Raw Sew/influent	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Methyl tert-butyl Ether	Raw Sew/influent	REPORT UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	
Methyl tert-butyl Ether	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Methyl tert-butyl Ether	Effluent Gross Value	70 UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	
Methyl tert-butyl Ether	Percent Removal	REPORT PERCENT	Monthly Av Minimum	1/Month	Grab	January thru December	Final	
Benzene	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	7 Rec Quant Level
Benzene	Effluent Gross Value	7 UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	7 Rec Quant Level
Tertiary Butyl Alcohol (TBA)	Raw Sew/influent	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Tertiary Butyl Alcohol (TBA)	Raw Sew/influent	REPORT UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	
Tertiary Butyl Alcohol (TBA)	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Tertiary Butyl Alcohol (TBA)	Effluent Gross Value	REPORT UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	

D. DB4B TABLE D

Location Description

This table is utilized for remediation discharges into eligible waters classified as FW2-NT, FW2-TM, FW2-TP, SE or SC where other metals, volatile organic, acid extractable or base-neutral compounds are present in addition to petroleum related constituents.

Discharge Categories

General Permit GW Petro Prod Cleanup

Surface Water DMR Reporting Requirements:

Submit a Monthly DMR: within twenty-five days after the end of every month beginning from the effective date of the permit (EDP).

Table III - D - 1: Surface Water DMR Limits and Monitoring Requirements

Parameter	Sample Point	Limit	Statistical Base	Sampling Frequency	Sample Type	Monitoring Period	Phase	Quantification Limit
Flow, In Conduit or Thru Treatment Plant	Effluent Gross Value	REPORT GPD	Monthly Average	1/Month	Metered	January thru December	Final	
Flow, In Conduit or Thru Treatment Plant	Effluent Gross Value	REPORT GPD	Daily Maximum	1/Month	Metered	January thru December	Final	
pH	Effluent Gross Value	6.0 SU	Monthly Minimum	1/Quarter	Grab	January thru December	Final	
pH	Effluent Gross Value	9.0 SU	Monthly Maximum	1/Quarter	Grab	January thru December	Final	
Solids, Total Suspended	Effluent Gross Value	REPORT MG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Solids, Total Suspended	Effluent Gross Value	40 MG/L	Daily Maximum	1/Month	Grab	January thru December	Final	
Petroleum Hydrocarbons	Effluent Gross Value	10 MG/L	Monthly Average	1/Quarter	Grab	January thru December	Final	
Petroleum Hydrocarbons	Effluent Gross Value	15 MG/L	Daily Maximum	1/Quarter	Grab	January thru December	Final	
Carbon, Tot Organic (TOC)	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Carbon, Tot Organic (TOC)	Effluent Gross Value	20 UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	
Lead, Total Recoverable	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	10 Rec Quant Level
Lead, Total Recoverable	Effluent Gross Value	10 UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	10 Rec Quant Level
Naphthalene	Effluent Gross Value	22 UG/L	Monthly Average	1/Month	Grab	January thru December	Final	8 Rec Quant Level

Parameter	Sample Point	Limit	Statistical Base	Sampling Frequency	Sample Type	Monitoring Period	Phase	Quantification Limit
Naphthalene	Effluent Gross Value	59 UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	8 Rec Quant Level
Methyl tert-butyl Ether	Raw Sew/influent	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Methyl tert-butyl Ether	Raw Sew/influent	REPORT UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	
Methyl tert-butyl Ether	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Methyl tert-butyl Ether	Effluent Gross Value	REPORT UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	
Methyl tert-butyl Ether	Percent Removal	85 PERCENT	Monthly Av Minimum	1/Month	Grab	January thru December	Final	
Benzene	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	7 Rec Quant Level
Benzene	Effluent Gross Value	7 UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	7 Rec Quant Level
Tertiary Butyl Alcohol (TBA)	Raw Sew/influent	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Tertiary Butyl Alcohol (TBA)	Raw Sew/influent	REPORT UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	
Tertiary Butyl Alcohol (TBA)	Effluent Gross Value	REPORT UG/L	Monthly Average	1/Month	Grab	January thru December	Final	
Tertiary Butyl Alcohol (TBA)	Effluent Gross Value	REPORT UG/L	Daily Maximum	1/Month	Grab	January thru December	Final	

E. EB4B TABLE E

Location Description

This table is utilized for short term dewatering or pump test discharges into waters classified as FW2-NT, FW2-TM, FW2-TP, SE or SC where strictly petroleum petroleum related constituents are present.

Discharge Categories

General Permit GW Petro Prod Cleanup

Surface Water DMR Reporting Requirements:

Submit a Monthly DMR: within twenty-five days after the end of every month beginning from the effective date of the permit (EDP).

Table III - E - 1: Surface Water DMR Limits and Monitoring Requirements

Parameter	Sample Point	Limit	Statistical Base	Sampling Frequency	Sample Type	Monitoring Period	Phase	Quantification Limit
Flow, In Conduit or Thru Treatment Plant	Effluent Gross Value	REPORT GPD	Monthly Average	1 / 4 Days	Metered	January thru December	Final	
Flow, In Conduit or Thru Treatment Plant	Effluent Gross Value	REPORT GPD	Daily Maximum	1 / 4 Days	Metered	January thru December	Final	
pH	Effluent Gross Value	6.0 SU	Monthly Minimum	1 / 4 Days	Grab	January thru December	Final	
pH	Effluent Gross Value	9.0 SU	Monthly Maximum	1 / 4 Days	Grab	January thru December	Final	
Solids, Total Suspended	Effluent Gross Value	REPORT MG/L	Monthly Average	1 / 4 Days	Grab	January thru December	Final	
Solids, Total Suspended	Effluent Gross Value	40 MG/L	Daily Maximum	1 / 4 Days	Grab	January thru December	Final	
Petroleum Hydrocarbons	Effluent Gross Value	10 MG/L	Monthly Average	1 / 4 Days	Grab	January thru December	Final	
Petroleum Hydrocarbons	Effluent Gross Value	15 MG/L	Daily Maximum	1 / 4 Days	Grab	January thru December	Final	
Carbon, Tot Organic (TOC)	Effluent Gross Value	REPORT UG/L	Monthly Average	1 / 4 Days	Grab	January thru December	Final	
Carbon, Tot Organic (TOC)	Effluent Gross Value	20 UG/L	Daily Maximum	1 / 4 Days	Grab	January thru December	Final	
Lead, Total Recoverable	Effluent Gross Value	REPORT UG/L	Monthly Average	1 / 4 Days	Grab	January thru December	Final	10 Rec Quant Level
Lead, Total Recoverable	Effluent Gross Value	10 UG/L	Daily Maximum	1 / 4 Days	Grab	January thru December	Final	10 Rec Quant Level
Naphthalene	Effluent Gross Value	22 UG/L	Monthly Average	1 / 4 Days	Grab	January thru December	Final	8 Rec Quant Level

Parameter	Sample Point	Limit	Statistical Base	Sampling Frequency	Sample Type	Monitoring Period	Phase	Quantification Limit
Naphthalene	Effluent Gross Value	59 UG/L	Daily Maximum	1 / 4 Days	Grab	January thru December	Final	8 Rec Quant Level
Methyl tert-butyl Ether	Raw Sew/influent	REPORT UG/L	Monthly Average	1 / 4 Days	Grab	January thru December	Final	
Methyl tert-butyl Ether	Raw Sew/influent	REPORT UG/L	Daily Maximum	1 / 4 Days	Grab	January thru December	Final	
Methyl tert-butyl Ether	Effluent Gross Value	REPORT UG/L	Monthly Average	1 / 4 Days	Grab	January thru December	Final	
Methyl tert-butyl Ether	Effluent Gross Value	REPORT UG/L	Daily Maximum	1 / 4 Days	Grab	January thru December	Final	
Methyl tert-butyl Ether	Percent Removal	85 PERCENT	Monthly Av Minimum	1 / 4 Days	Grab	January thru December	Final	
Benzene	Effluent Gross Value	REPORT UG/L	Monthly Average	1 / 4 Days	Grab	January thru December	Final	7 Rec Quant Level
Benzene	Effluent Gross Value	7 UG/L	Daily Maximum	1 / 4 Days	Grab	January thru December	Final	7 Rec Quant Level
Tertiary Butyl Alcohol (TBA)	Raw Sew/influent	REPORT UG/L	Monthly Average	1 / 4 Days	Grab	January thru December	Final	
Tertiary Butyl Alcohol (TBA)	Raw Sew/influent	REPORT UG/L	Daily Maximum	1 / 4 Days	Grab	January thru December	Final	
Tertiary Butyl Alcohol (TBA)	Effluent Gross Value	REPORT UG/L	Monthly Average	1 / 4 Days	Grab	January thru December	Final	
Tertiary Butyl Alcohol (TBA)	Effluent Gross Value	REPORT UG/L	Daily Maximum	1 / 4 Days	Grab	January thru December	Final	

PART IV

SPECIFIC REQUIREMENTS: NARRATIVE

General Permit GW Petro Prod Cleanup

A. MONITORING REQUIREMENTS

1. Standard Monitoring Requirements

- a. Each analysis required by this permit shall be performed by a New Jersey Certified Laboratory that is certified to perform that analysis.
- b. The Permittee shall perform all water/wastewater analyses in accordance with the analytical test procedures specified in 40 CFR 136 unless other test procedures have been approved by the Department in writing or as otherwise specified in the permit.
- c. The permittee shall utilize analytical methods that will ensure compliance with the Quantification Levels (QLs) listed in PART III. If the permittee and/or contract laboratory determines that the QLs achieved for any pollutant(s) generally will not be as sensitive as the QLs specified in PART III, the permittee must submit a justification of such to the appropriate Bureau of Point Source Permitting, as listed in this permit authorization.
- d. All sampling shall be conducted in accordance with the Department's Field Sampling Procedures Manual; or an alternate method approved by the Department in writing.
- e. All monitoring shall be conducted as specified in Part III.
- f. All sample frequencies expressed in Part III are minimum requirements. However, if additional samples are taken, analytical results shall be reported as appropriate.
- g. Analysis for total recoverable lead shall follow the sample preparation procedures contained in the Method 200.2 "Sample Preparation Procedure for Spectrochemical Determination of Total Recoverable Elements".
- h. The permittee shall use EPA Method 624 in analyzing methyl tert butyl ether (MTBE) and tertiary butyl alcohol (TBA).
- i. Influent shall be sampled at a point prior to any treatment by the permittee's treatment units.
- j. If the daily maximum effluent MTBE level is less than or equal to 70 ug/L during a calendar month, the 85% MTBE minimum percent removal limitation does not apply. If the MTBE minimum percent removal limitation does not apply, the permittee shall report "Code =N" on its monitoring report form under MTBE percent removal. If the daily maximum effluent MTBE level is greater than 70 ug/L for a calendar month, an 85% MTBE minimum percent removal limitation does apply. The permittee shall report the minimum percent removal value achieved during that calendar month on its monitoring report form under MTBE minimum percent removal.
- k. Flow shall be measured using a meter unless specified otherwise in the individual authorization.

B. RECORDKEEPING

1. Standard Recordkeeping Requirements

- a. The permittee shall retain records of all monitoring information including all calibration and maintenance records, all original strip chart recordings for continuous monitoring instrumentation, copies of all reports, and all data used to complete the application for this permit.
- b. Records of monitoring information shall include the date, locations and time of sampling or measurements, the individual who performed the sampling or measurements, the date the samples were collected, the date the samples were analyzed, the individual who performed the analysis, the analytical method used, and the results.

- c. The permittee shall retain copies of all reports required by a NJPDES permit and records of all data used to complete the application for a NJPDES permit for a period of at least 5 years unless otherwise required by 40 CFR Part 503.

C. REPORTING

1. Standard Reporting Requirements

- a. The permittee shall submit all required monitoring results to the DEP on the forms provided to the following addresses:
- i. NJDEP
Division of Water Quality
Bureau of Permit Management
P.O. Box 029
Trenton, New Jersey 08625
- b. If requested by the Water Compliance and Enforcement Bureau, please send the information requested to the following address:
- i. Northern Bureau of Water Compliance and Enforcement
1259 Route 46 East
Parsippany, NJ 07054-4191
(Counties of Bergen, Essex, Hudson, Hunterdon, Morris, Passaic, Somerset, Sussex and Warren)
- ii. Southern Bureau of Water Compliance and Enforcement
One Port Center
2 Riverside Drive, Suite 201
Camden, NJ 08102
(Counties of Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester and Salem)
- iii. Central Bureau of Water Compliance and Enforcement
300 Horizon Center, PO Box 407
Trenton, NJ 08625-0407
(Counties of Mercer, Middlesex, Monmouth, Ocean and Union)
- c. For submittal of paper monitoring report forms:
- i. All monitoring reports shall be signed by the highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility in accordance with N.J.A.C. 7:14A-6.9.
- ii. The highest ranking official may delegate responsibility to sign in accordance with NJAC 7:14A-6.9(c).
- d. Monitoring reports shall be completed in accordance with the current Discharge Monitoring Report Manual and any updates.
- e. If monitoring for a parameter is not required for that monitoring period, the permittee is required to report "CODE=N" on that Monitoring Report Form.
- f. For intermittent discharges, the permittee shall obtain a sample during at least one of the discharge events occurring during a monitoring period. Place a check mark in the "No Discharge this monitoring Period" box on the monitoring report submittal form only if there are no discharge events during the entire monitoring period.

D. OPERATIONAL ISSUES

1. Operational Requirements

- a. The treatment works shall operate at the optimal average design flow rate for maximum groundwater clean-up.

- b. No backwash from any treatment unit(s) for maintenance purposes or any other reasons shall be discharged through the authorized outfall(s).
- c. The permittee shall not attain any effluent limitations by dilution pursuant to N.J.A.C. 7:14A-6.2. Specifically, the permittee shall not pump from a recovery well and divert such waters to the treatment system for the purposes of diluting groundwater from other contaminated recovery wells.
- d. Samples taken in compliance with the specified monitoring requirements shall be taken at the discharge outfall(s) specified in Part III of this permit authorization at the nearest accessible point after final treatment but prior to actual discharge.

E. FACILITY MANAGEMENT

1. Discharge Requirements

- a. The permittee shall discharge at the location(s) specified in PART III of this permit.
- b. The permittee shall not discharge foam, or cause objectionable deposits, or foaming of the receiving water.
- c. The permittee's discharge shall not produce objectionable color or odor in the receiving stream.
- d. The discharge shall not exhibit a visible sheen.

2. Applicability of Discharge Limitations and Effective Dates

- a. This master permit includes a schedule of compliance for:

Benzene (for discharges to saline waters for Tables A, B and D) - the initial phase limit of 50 ug/L as a daily maximum is effective until November 30, 2006. The final phase limit of 7.0 ug/L as a daily maximum is effective on December 1, 2006.

Total Recoverable Lead - the initial phase limits of 37 ug/L as a monthly average and 79 ug/L as a daily maximum are effective until November 30, 2006. The final phase limit of 10 ug/L as a daily maximum with monthly average monitoring is effective on December 1, 2006. This schedule of compliance does not apply to Table C.

Chronic WET (Table D only and if metals are present) - the initial phase limit of "monitoring only" is effective on the effective date of the individual authorization. The final phase limit of 61% is effective three years from the effective date of the individual authorization.

3. Use of Chemical Addition Agents

- a. If a permittee proposes addition of any chemical or biofouling agents in its treatment system in order to enhance treatment effectiveness and system performance, the permittee must obtain permission from the Department in writing prior to use of such compounds.
- b. The permittee shall submit a letter to the Department describing the use of such chemical addition agents, including information pertaining to dosage rates and frequency of dosage, and shall also include a material safety data sheet for the product(s).
- c. This letter shall be submitted to the appropriate Bureau of Point Source Permitting which issued the individual authorization where the address is included in the cover letter. The Department will then evaluate the submittal and notify the permittee in writing as to whether the compound can be utilized under the conditions of the individual authorization under the GPPC permit renewal. Please note that N.J.A.C. 7:14A-22.4(a)7 does not require a treatment works approval (TWA) modification for chemical addition where it is used for purposes of improving treatment system performance.

4. Operation, Maintenance and Emergency Conditions

- a. The permittee shall operate and maintain treatment works and facilities which are installed or used by the permittee to achieve compliance with the terms and conditions of the permit as specified in the Operation & Maintenance Manual.
- b. The permittee shall develop emergency procedures to ensure effective operation of the treatment works under emergency conditions in accordance with NJAC 7:14A-6.12(d).

5. Toxicity Testing Requirements-Chronic Whole Effluent Toxicity (applicable to Table D only and only if a chronic toxicity limit is specified in Part III)

- a. The permittee shall conduct toxicity tests on its wastewater discharge in accordance with the provisions in this section. Such testing will determine if appropriately selected effluent concentrations adversely affect the test species.
- b. Any test that does not meet the specifications contained in the Department's "Chronic Toxicity Testing Specifications for Use in the NJPDES Program" document must be repeated within 30 days of the completion of the initial test. The repeat test shall not replace subsequent testing required in Part III.
- c. IC25 - Inhibition Concentration - Concentration of effluent which has an inhibitory effect on 25% of the test organisms for the monitored effect, as compared to the control (expressed as percent effluent).
- d. Test results shall be expressed as the IC25 for each test endpoint. Where a chronic toxicity testing endpoint yields IC25's from more than one test endpoint, the most sensitive endpoint will be used to evaluate effluent toxicity.
- e. For new authorizations: Submit a Chronic Methodology Questionnaire: due within 60 days from the effective date of the permit (EDP).
- f. For renewal authorizations: The permittee shall resubmit a Chronic Methodology Questionnaire within 60 days of any change in laboratory.
- g. Submit a chronic whole effluent toxicity test report: due within twenty-five days after the end of every quarterly monitoring period beginning from the effective date of the permit (EDP).
- h. Test reports shall be submitted to:
New Jersey Department of Environmental Protection
Division of Water Quality, Bureau of Point Source Permitting Region 1
P.O. Box 029
Trenton, New Jersey 08625

6. Toxicity Reduction Implementation Requirements (TRIR) (applicable to Table D only and only if a chronic toxicity limit is specified in Part III)

- a. The permittee shall initiate a tiered toxicity investigation if two out of six consecutive WET tests demonstrate that the effluent does not comply or will not comply with the toxicity limit specified in Part III of this permit.
 - i. If the exceedence of the toxicity limit is directly caused by a documented facility upset, or other unusual event which has been identified and appropriately remedied by the permittee, the toxicity test data collected during the event may be eliminated when determining the need for initiating a TRIR upon written Department approval.
- b. The permittee shall begin toxicity characterization within 30 days of the end of the monitoring period when the second toxicity test exceeds the toxicity limits in Part III. The monitoring frequency for toxicity testing shall be increased to semi-monthly (i.e. every two months). Up to 12 additional tests may be required.
 - i. The permittee may return to the toxicity testing frequency specified in Part III if four consecutive toxicity tests conducted during the Toxicity Characterization do not exceed the toxicity limit.
 - ii. If two out of any six consecutive, acceptable tests again exceed the toxicity limit in Part III, the permittee shall repeat Toxicity Reduction Implementation Requirements.

- c. The permittee shall initiate a preliminary toxicity identification (PTI) upon the fourth exceedence of the toxicity limit specified in Part III during toxicity characterization.
- i. The permittee may return to the monitoring frequency specified in PART III while conducting the PTI. If more frequent WET testing is performed during the PTI, the permittee submit all biomonitoring reports to the DEP and report the results for the most sensitive species on the DMR.
 - ii. As appropriate, the PTI shall include:
 - (1) treatment plant performance evaluation,
 - (2) pretreatment program information,
 - (3) evaluation of ammonia and chlorine produced oxidants levels and their effect on the toxicity of the discharge,
 - (4) evaluation of chemical use and processes at the facility, and
 - (5) an evaluation of incidental facility procedures such as floor washing, and chemical spill disposal which may contribute to effluent toxicity.
 - iii. If the permittee demonstrates that the cause of toxicity is the chlorine added for disinfection or the ammonia concentration in the effluent and the chlorine and/or ammonia concentrations are below the established water quality based effluent limitation for chlorine and/or ammonia, the permittee shall identify the procedures to be used in future toxicity tests to account for chlorine and/or ammonia toxicity in their preliminary toxicity identification report.
 - iv. The permittee shall submit a Preliminary Toxicity Identification Notification within 15 months of triggering TRIR. This notification shall include a determination that the permittee intends to demonstrate compliance OR plans to initiate a CTI.
- d. The permittee must demonstrate compliance with the WET limitation in four consecutive WET tests to satisfy the requirements of the Toxicity Reduction Investigation Requirements. After successful completion, the permittee may return to the WET monitoring frequency specified in PART III.
- e. The permittee shall initiate a Comprehensive Toxicity Investigation (CTI) if the PTI does not identify the cause of toxicity and a demonstration of consistent compliance with the toxicity limit in Part III can not be made.
- i. The permittee shall develop a project study plan identifying the party or parties responsible for conducting the comprehensive evaluation, establish a schedule for completing the study, and a description of the technical approach to be utilized.
 - ii. If the permittee determines that the PTI has failed to demonstrate consistent compliance with the toxicity limit in Part III, a Comprehensive Toxicity Investigation Workplan must be prepared and submitted within 90 days.
 - iii. The permittee shall summarize the data collected and the actions taken in CTI Quarterly Reports. The reports shall be submitted within 30 calendar days after the end of each quarter.
 - iv. The permittee shall submit a Final CTI Report 90 calendar days after the last quarterly report. The final CTI report shall include the corrective actions identified to reduce toxicity and a schedule for implementing these corrective actions.
- f. Upon receipt of written approval from the Department of the corrective action schedule, the permittee shall implement those corrective actions consistent with that schedule.
- i. The permittee shall satisfy the requirements of the Toxicity Reduction Implementation Requirements and return to the original toxicity monitoring frequency after corrective actions are implemented and the permittee demonstrates consistent compliance with the toxicity limit in Part III in four consecutive toxicity tests.
 - ii. If the implemented corrective measures do not result in consistent compliance with the toxicity limit in Part III, the permittee shall submit a plan for resuming the CTI.

7. Third Party Storm Sewers

- a. If the permittee proposes to discharge or discharges through an off-site public or private storm drainage system, this GPPC permit renewal to discharge does not exempt, nor shall be construed to exempt, the permittee from compliance with rules, regulations, policies, and/or laws lodged in any agency or subdivision of the state having legal jurisdiction over the storm sewer system proposed for use as a wastewater conveyance.

8. Permanent Cessation of Discharge to Surface Waters

- a. If the permittee permanently discontinues its discharge to surface waters for 30 days or more the appropriate Regional Bureau of Water and Compliance Enforcement shall be notified:
 - i. NORTHERN BUREAU (Counties of Bergen, Essex, Hudson, Hunterdon, Morris, Passaic, Somerset, Sussex and Warren) - (973) 299-7592.
 - ii. CENTRAL BUREAU (Counties of Mercer, Middlesex, Monmouth, Ocean and Union) - (609) 584-4200.
 - iii. SOUTHERN BUREAU (Counties of Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester and Salem) - (609) 968-2640.

9. Revocation of an Individual Authorization under the GPPC Permit

- a. If the permittee has permanently ceased its discharge to surface water, the permittee can request revocation of its individual authorization under the GPPC permit. The permittee can obtain the necessary revocation forms by accessing www.state.nj.us/dep/dwq or by contacting the Department's Bureau of Permit Management at (609) 984-4428. The permittee can also contact the appropriate Regional Enforcement Office for further guidance on closure proceedings.
- b. Upon receipt of an administratively complete revocation request, the Department will verify with the appropriate Regional Enforcement Office that the discharge has ceased and that the treatment works has undergone closure, in conformance with N.J.A.C. 7:14A-23.34. The Department will then revoke such individual authorization by preparing a copy of the individual authorization page showing the revocation date of the individual authorization and sending such to the permittee. However, the Department will not revoke an individual authorization if the Site Remediation Program disagrees that revocation is appropriate.

F. CONDITIONS FOR MODIFICATION

1. Causes for Modification

- a. Pursuant to N.J.A.C. 7:14A-6.2(a)(10)(iii), the Department may modify or revoke and reissue any permit to incorporate limitations or requirements to control the discharge of toxic pollutants, including whole effluent, chronic and acute toxicity requirements, chemical specific limitations or toxicity reduction requirements, as applicable.
- b. The Department may incorporate requirements to file monitoring data required by this permit electronically through a minor modification in accordance with N.J.A.C. 7:14A-16.5(a)1.
- c. For new dischargers where a chronic whole effluent toxicity requirement is imposed: The Department may issue a minor modification further deferring the effective date of the chronic whole effluent toxicity limitation if a facility is implementing the Toxicity Reduction Implementation Requirements (TRIR) in Part IV of this permit.